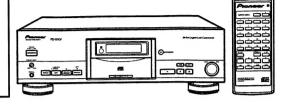
Pioneer

Service Manual



ORDER NO. RRV1981

COMPACT DISC PLAYER

PD_S707

THIS MANUAL IS APPLICABLE TO THE FOLLOWING MODEL(S) AND TYPE(S).

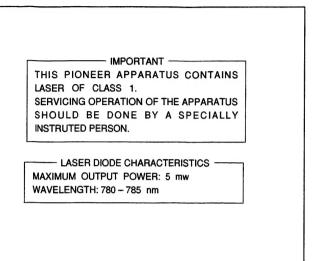
Type Model		Power Requirement	The voltage can be converted by the following method.			
Турс	PD-S707	1 Ower riequirement				
MY	0	AC220-230V	·			
MV	0	AC220-230V				
SD	0	AC110V/120-127V/220-230V/240V	With the voltage selector			
HPW	0	AC230- 240V				

CONTENTS

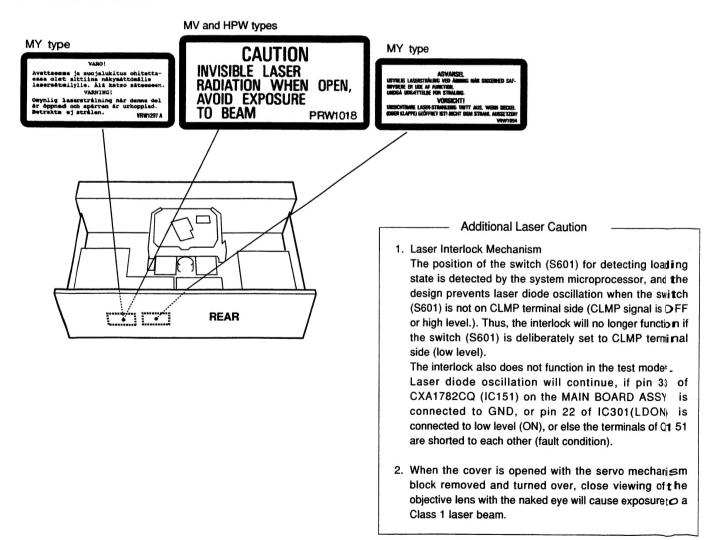
7. GENERAL INFORMATION	38
	38
7.3 BLOCK DIAGRAM	40
8. PANEL FACILITIES AND SPECIFICATION	IONS
	41
	7.1 IC

PIONEER ELECTRONIC CORPORATION 4-1, Meguro 1-Chome, Meguro-ku, Tokyo 153-8654, Japan PIONEER ELECTRONICS SERVICE, INC. P.O. Box 1760, Long Beach, CA 90801-1760, U.S.A. PIONEER ELECTRONIC (EUROPE) N.V. Haven 1087, Keetberglaan 1, 9120 Melsele, Belgium PIONEER ELECTRONICS ASIACENTRE PTE. LTD. 501 Orchard Road, #10-00 Wheelock Place, Singapore 238880 PIONEER ELECTRONIC CORPORATION 1998

1. SAFETY INFORMATION



LABEL CHECK



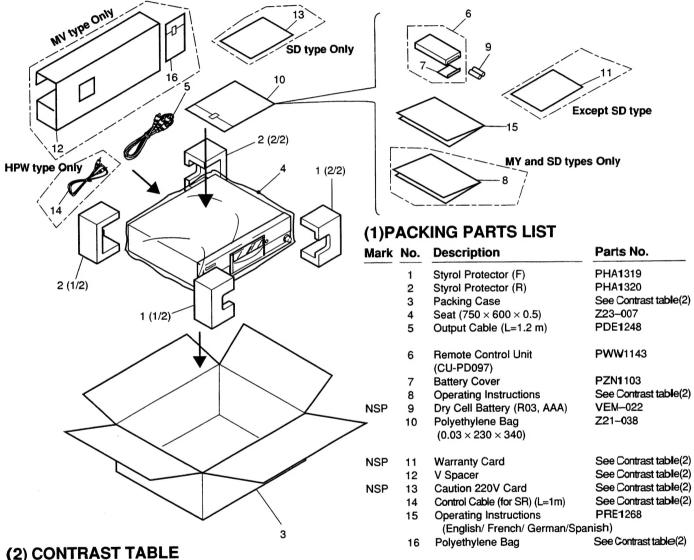
^{*} Refer to page 31.

2. EXPLODED VIEWS AND PARTS LIST

NOTES: • Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.

- The
 <u>∧</u> mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.

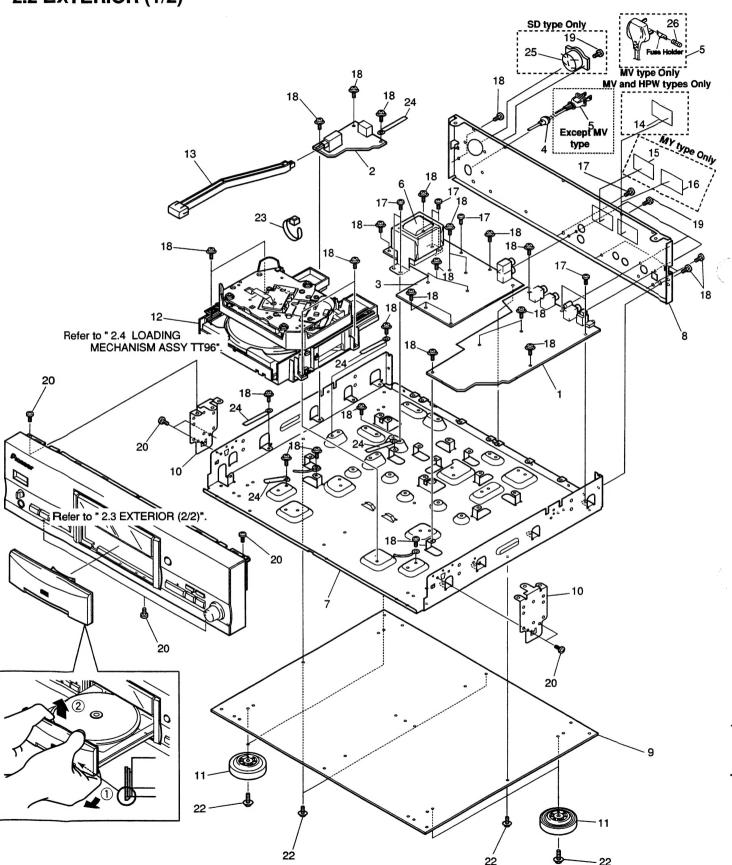
2.1 PACKING



PD-S707/MY, MV, SD and HPW are constructed the same except for the following:

				Part No.				
Mark No.	No.	Symbol and Description	MY type	MV type	SD type	HPW type	Remarks	
	3	Packing Case S707	PHG2321	PHG2328	PHG2327	PHG2327		
	8	Operating Instructions	PRD1032	Not used	Not used	Not used		
		(Italian/Dutch/ Swedish/ Portouguese)						
	8	Operating Instructions (Chinese)	Not used	Not used	PRD1030	Not used		
NSP	11	Warranty Card	ARY7022	ARY7008	Not used	ARY7022		
	12	V Spacer	Not used	PHC1089	Not used	Not used		
NSP	13	Caution 220V Card	Not used	Not used	ARR7003	Not used		
	14	Control Cable	Not used	Not used	Not used	PDE1247		
	16	Polyethylene Bag	Not used	Z21- 013	Not used	Not used		

2.2 EXTERIOR (1/2)



(1) EXTERIOR (1/2) PARTS LIST

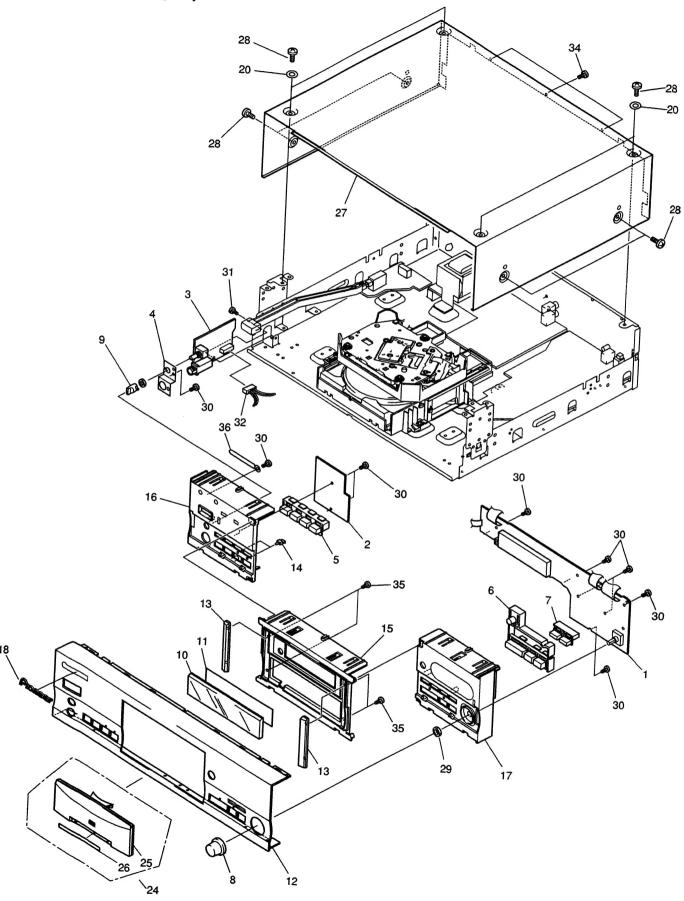
Mark	No.	Description	Parts No.
	1	MAIN BOARD ASSY	See Contrast table(2)
NSP	2	PRIMARY SWITCH ASSY	See Contrast table(2)
	3	POWER BOARD ASSY	See Contrast table(2)
	4	Strain Relief	CM-22B
$oldsymbol{\Lambda}$	5	AC Power Cord	See Contrast table(2)
\triangle	6	Power Transformer	See Contrast table(2)
NSP	7	Under Base	PNA2446
	8	Rear Base S707	See Contrast table(2)
NSP	9	Bottom Plate	PNA2376
NSP	10	Side Angle	PNB1583
	11	Insulator Assy	VXA2356
NSP	12	Loading Mechanism Assy TT96	PXA1611
	13	Power Knob	PAC1897
	14	Caution Label	See Contrast table(2)
	15	Caution Label	See Contrast table(2)
NSP	16	Caution Label (HE)	See Contrast table(2)
	17	Screw (3×6)	ABA1207
	18	Screw	ABA1011
	19	Screw	BBZ30P080FZK
	20	Screw	BBT30P080FCC
	21		
	22	Screw	IBZ30P100FCC
	23	Binder	ZCA-SKB90BK
	24	Cord Clamper	RNH-184
Æ	25	Voltage Selector	See Contrast table(2)
\triangle	26	Fuse (T5A)	See Contrast table(2)

(2) CONTRAST TABLE

PD-S707/MY, MV, SD and HPW are constructed the same except for the following:

Bal. No				Remarks			
Mark	No.	Symbol and Description	MY type	MV type	SD type	HPW type	nemarks
	1	MAIN BOARD ASSY	PWZ3793	PWZ3794	PWZ3795	PWZ3796	
NSP	2	PRIMARY SWITCH ASSY	PWZ3869	PWZ3869	PWZ3870	PWZ3869	
	3	POWER BOARD ASSY	PWZ3800	PWZ3801	PWZ3802	PWZ3803	
Λ	5	AC Power Cord	PDG1003	PDG1055	PDG1013	ADG1123	
<u> </u>	6	Power Transformer	PTT1301	PTT1301	PTT1302	PTT1301	
	8	Rear Base S707	PNA2433	PNA2447	PNA2448	PNA2449	
	14	Caution Label	Not used	PRW1018	Not used	PRW1018	
	15	Caution Label	VRW1094	Not used	Not used	Not used	
NSP	16	Caution Label (HE)	VRW1297	Not used	Not used	Not used	
Λ	25	Voltage Selector	Not used	Not used	AKX7001	Not used	
\triangle	26	Fuse (T5A)(For AC Power Cord)	Not used	PEK1003	Not used	Not used	

2.3 EXTERIOR (2/2)



(1) EXTERIOR (2/2) PARTS LIST

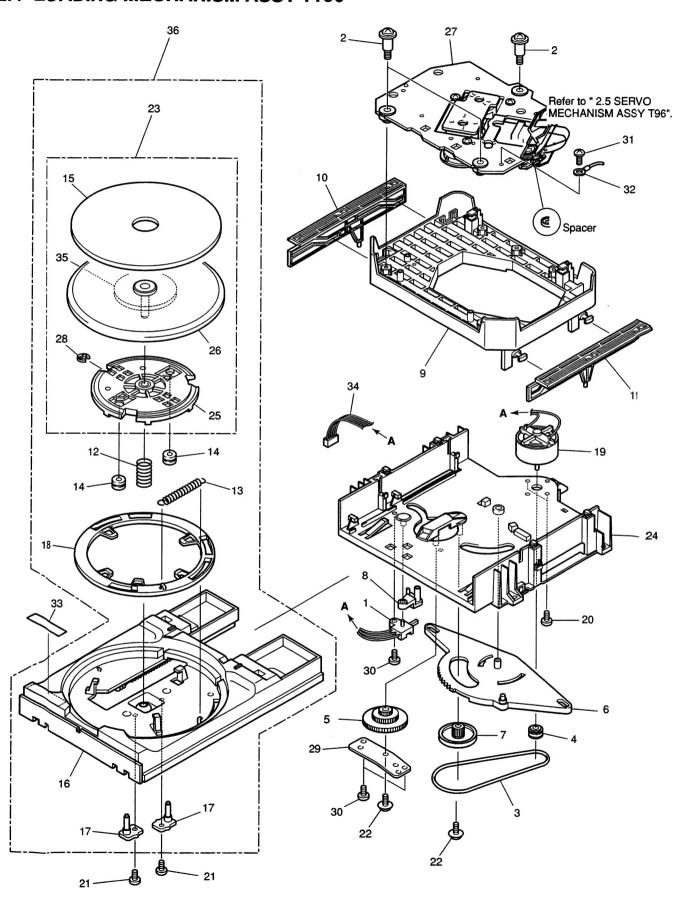
Mark	No.	Description	Parts No.	Mark No.	Description	Parts No.
	1	DISPLAY BOARD ASSY	See Contrast table(2)	31	Screw	IBZ30P060FMC
NSP	2	FUNCTION BOARD ASSY	PWZ3812	32	Connector Assy 4P	PDE1294
NSP	3	PHONE BOARD ASSY	See Contrast table(2)	33		
	4	H.P. Angle	PNB1582	34	Screw	BBZ30P080FZK
	5	Mode Button S707	PAC1895	35	Screw	BPZ20P060FMC
	6	Play Button	RAC2204	36	Cord Clamper	RNH-184
	7	Manual Button	PAC1894			
	8	Track Knob S707	PAC1898			
	9	Headphone Knob	PAC1707			
	10	Display Window	PAM1766			
	11	FL Sheet	See Contrast table(2)			
	12	Front Panel S707	PAN1370			
	13	Side Sash	PAP1004			
	14	LED Lens	PNW2745			
	15	Panel CDB	PNW2810			
	16	Panel LB	PNW2811			
	17	Panel RB	PNW2812			
	18	Name Plate	PAN1376			
	19					
	20	Washer	ABE1009			
	21					
	22					
	23					
	24	Tray Plate Assy S707	PEA1348			
NSP	25	Tray Panel B	PNW2814			
NSP	26	Tray Badge	PAN1358			
	27	Bonnet Case	PYY1257			
	28	Screw	BBZ40P080FZK			
	29	Nut	NK90FUC			
	30	Screw	PPZ30P080FMC			

(2) CONTRAST TABLE

PD-S707/MY, MV, SD and HPW are constructed the same except for the following:

				Remarks			
Mark	No.	Symbol and Description	MY type	MV type	SD type	HPW type	Telliaiks
NSP	1 3 11	DISPLAY BOARD ASSY PHONE BOARD ASSY FL Sheet S707	PWZ3807 PWZ3815 PAM1737	PWZ3807 PWZ3815 PAM1737	PWZ3807 PWZ3816 PAM1763	PWZ3808 PWZ3816 PAM1763	

2.4 LOADING MECHANISM ASSY TT96

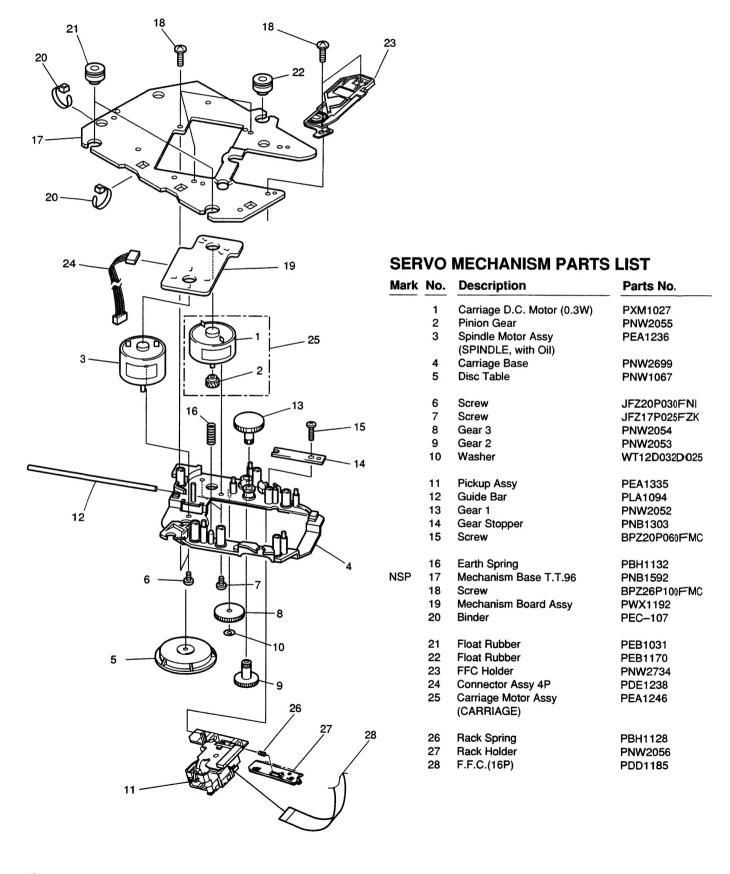


LOADING MECHANISM ASSY TT96 PARTS LIST

Mark	No.	Description	Parts No.	Mark	No.	Description	Parts No.
	1	Lever Switch (S601)	DSK1003		26	Turn Table	PNR1035
	2	Float Screw	PBA1027	NSP	27	Servo Mechanism Assy T96	PXA1606
	3	Rubber Belt	PEB1186		28	E Ring	YE20FUC
	4	Motor Pulley	PNW1634		29	Shaft Holder	PNB1382
	5	Drive Gear	PNW1996		30	Screw	BPZ26P060FMC
	6	Synchronized Lever	PNW2168		31	Screw	BBZ26P060FMC
	7	Gear Pulley	PNW1998	NSP	32	Earth Lead	DE010VF0
	8	SW Head	PNW1999		33	Caution Label	PRW1244
	9	Float Base	PNW2767		34	Connector Assy 5P	PDE1243
	10	Left Cam	PNW2001	NSP	35	Table Base	PXA1382
	11	Right Cam	PNW2002	NSP	36	Tray Assy TT	PXA1397
	12	Float Spring	PBH1120				
	13	Lock Spring	PBH1121				
	14	Float Rubber	PEB1014				
	15	Table Rubber Sheet	PEB1181				
	16	Tray	PNW2760				
	17	Table Guide	PNW2004				
	18	Lock Plate	PNW2005				
	19	D.C. Motor (0.75W, LOADING)	PXM1010				
	20	Screw	BMZ26P040FMC				
	21	Screw	IPZ26P060FCU				
	22	Screw	IPZ20P080FMC				
	23	Turn Table Assy	PEA1165				
	24	Loading Base	PNW2761				
	25	Table Shaft Holder Assy	PXA1383				

• How to Install the Disc Table Use nipper or other tool to cut the three sections marked A in figure 1. Then remove the spacer 2 While supporting the spindle motor shaft with the stopper, put spacer on top of the carriage base, and stick the disc table on top (takes about 9kg pressure). Take off the spacer. 2 (Pressure of about 9kg) 1 FFC Holder Disc table 2.1mm Spacer Spacer setting Position Carriage Spindle motor Stopper

2.5 SERVO MECHANISM ASSY T96

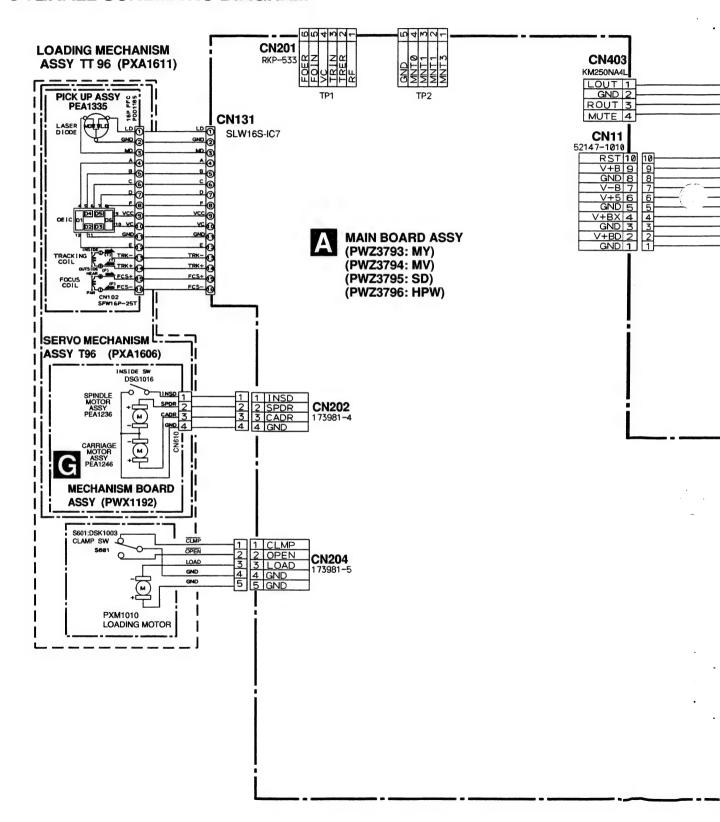


PD-S707

3. SCHEMATIC DIAGRAM

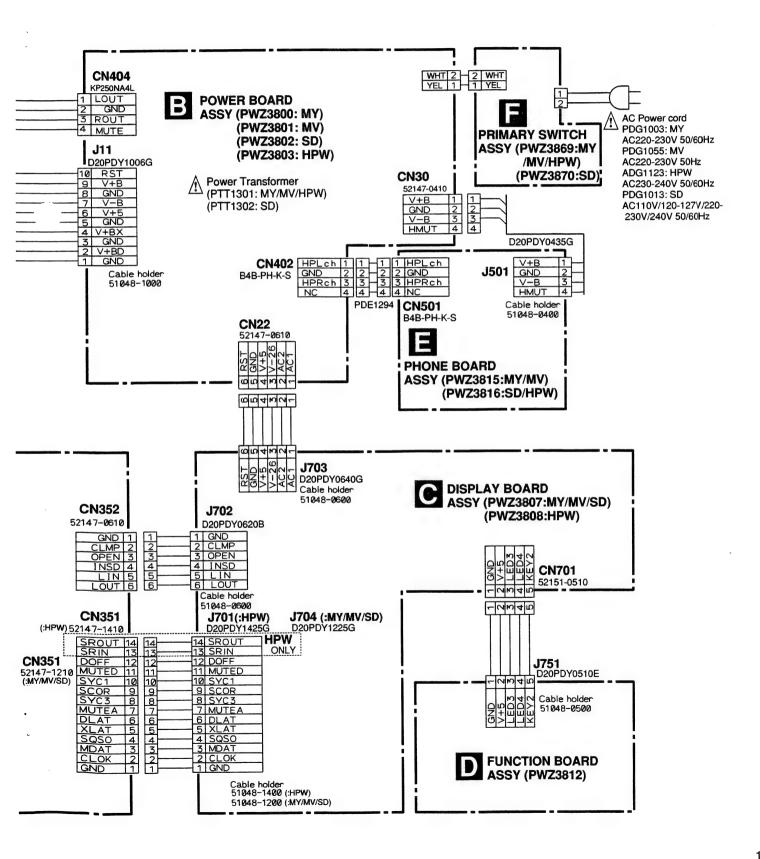
Note: When ordering service parts, be sure to refer to "EXPLODED VIEWS AND PARTS LIST" or "PCB PARTS LIST".

3.1 OVERALL SCHEMATIC DIAGRAM

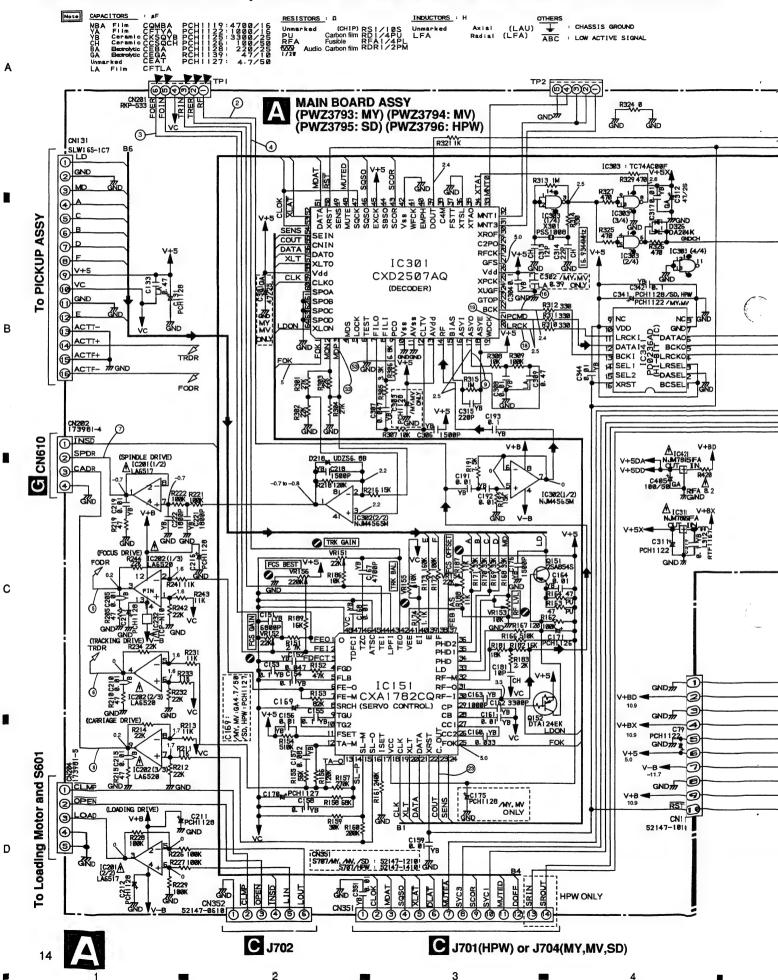


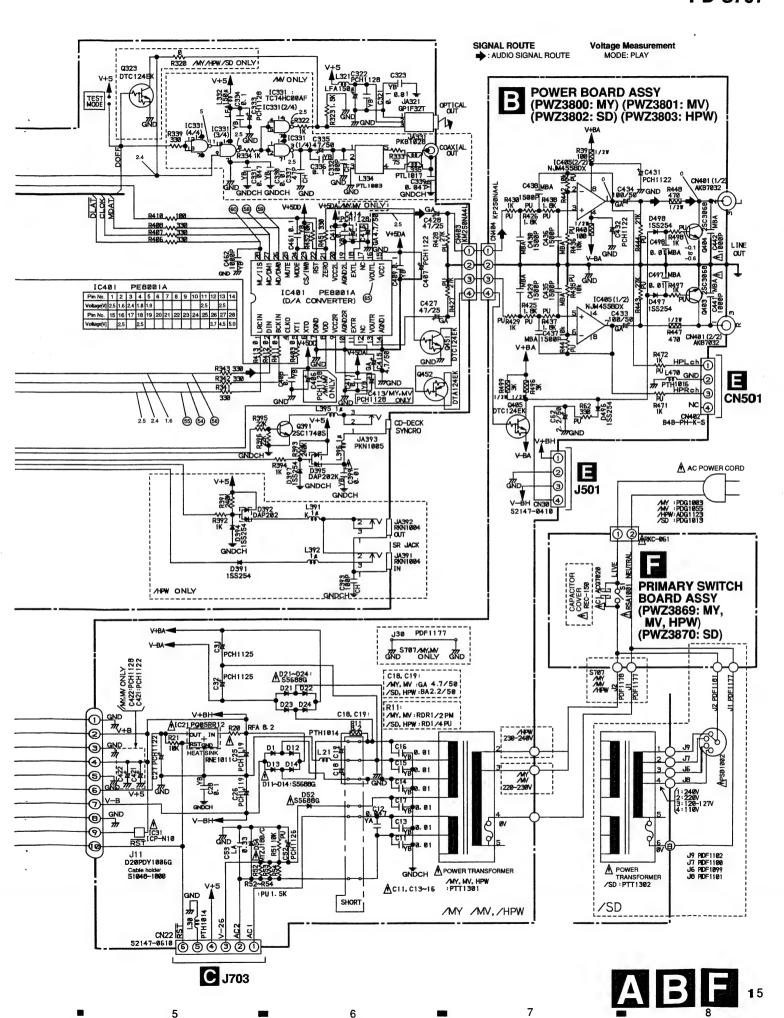
3

3

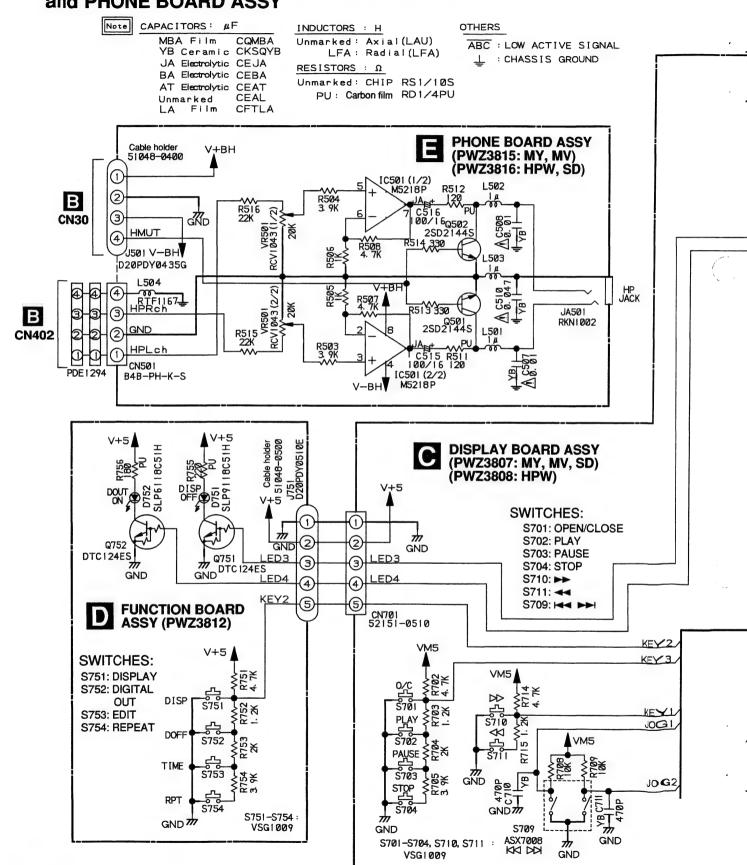


3.2 MAIN BOARD ASSY, POWER BOARD ASSY and PRIMARY SWITCH ASSY





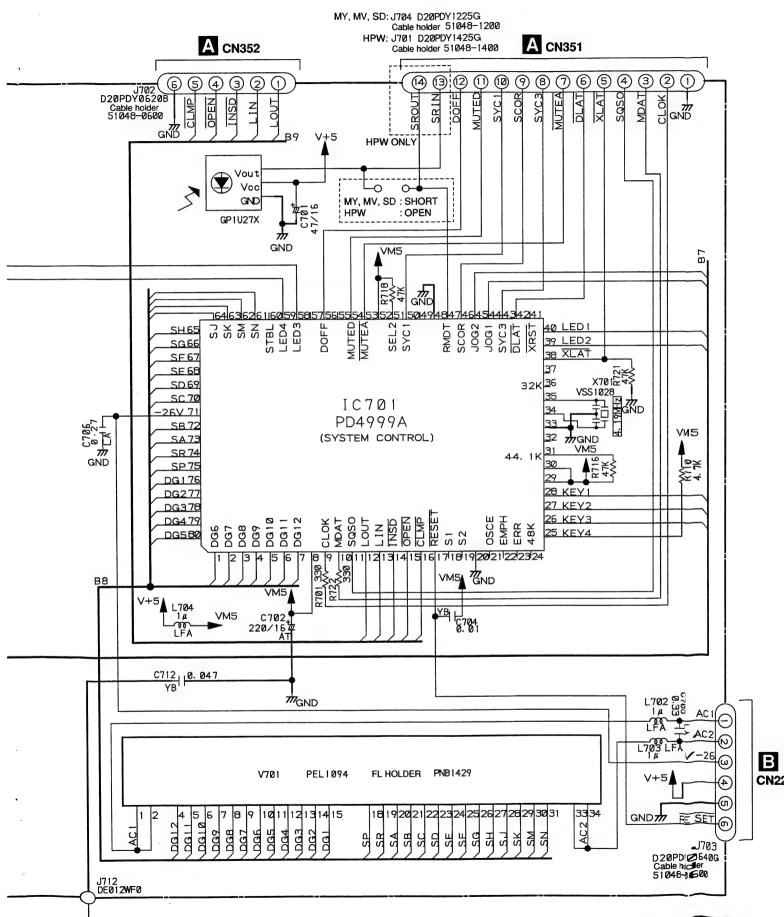
3.3 DISPLAY BOARD ASSY, FUNCTION BOARD ASSY and PHONE BOARD ASSY



3

16 CDE

C



C

•

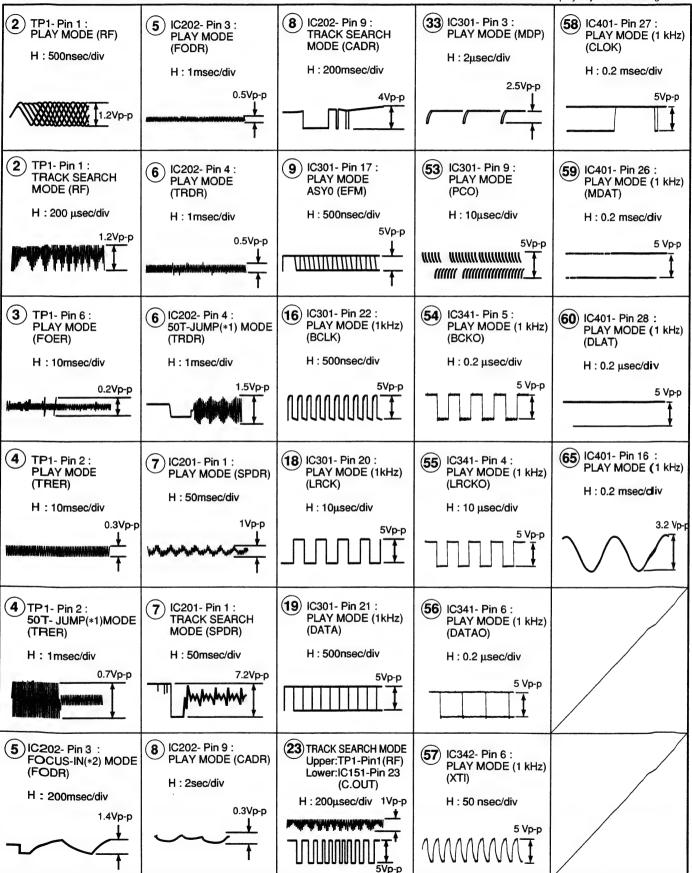
PD-S707

Waveforms

Note: The encircled numbers denote measuring point in the schematic diagram.

*1 50T-JUMP: After switching to the pause mode, press the manual search key.

*2 FOCUS-IN: Press the play key without loading a disc.



4. PCB CONNECTION DIAGRAM

NOTE FOR PCB DIAGRAMS:

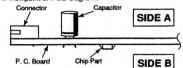
- Part numbers in PCB diagrams match those in the schematic
- diagrams.

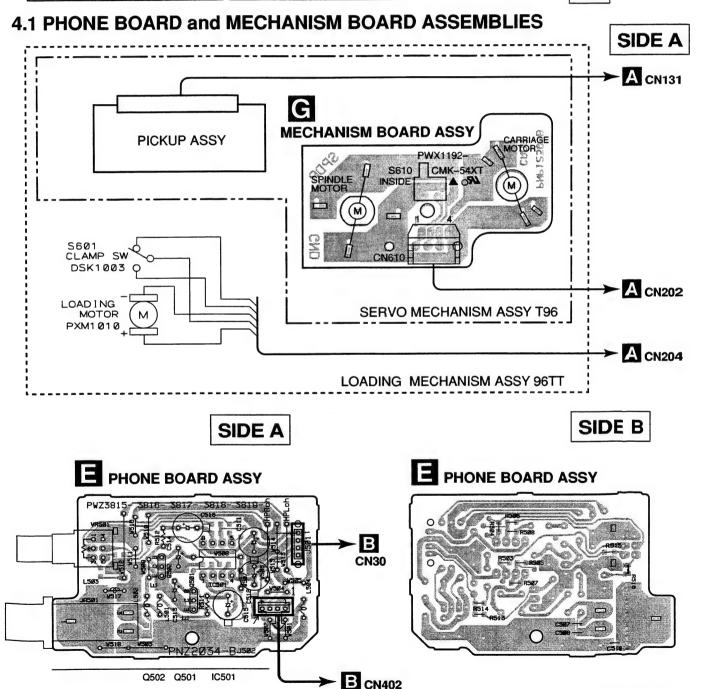
 2. A comparison between the main parts of PCB and schematic diagrams is shown below.

diagrams is shown I	diagrams is shown below.							
Symbol in PCB Diagrams	Symbol in Schematic Diagrams	Part Name						
0 0 0 B C E		Transistor						
● ○ ○ ○ ○ B C E		Transistor with resistor						

Symbol in PCB Diagrams			
0 0 0 D G S		Field effect transistor	
<u>600</u> 00004	**************************************	Resistor array	
000	- -	3-terminal regulator	

- The parts mounted on this PCB include all necessary parts for several destination.
 For further information for respective destinations, be sure
- For further information for respective destinations, be sure to check with the schematic diagram.
- 4. Viewpoint of PCB diagrams





EG

(PNP\$449-B)

3

3

SIDE B

A MAIN BOARD ASSY

Q323 IC331

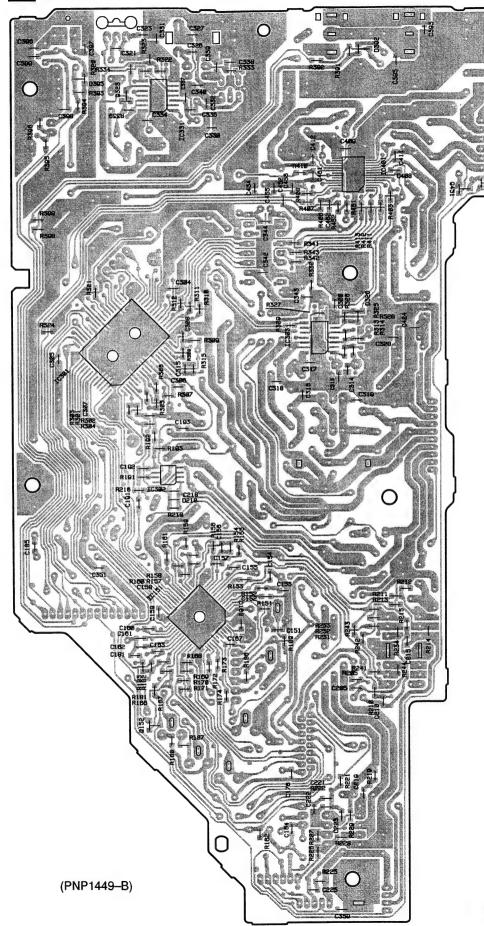
> IC401 Q452 Q451

IC303 IC301

IC302

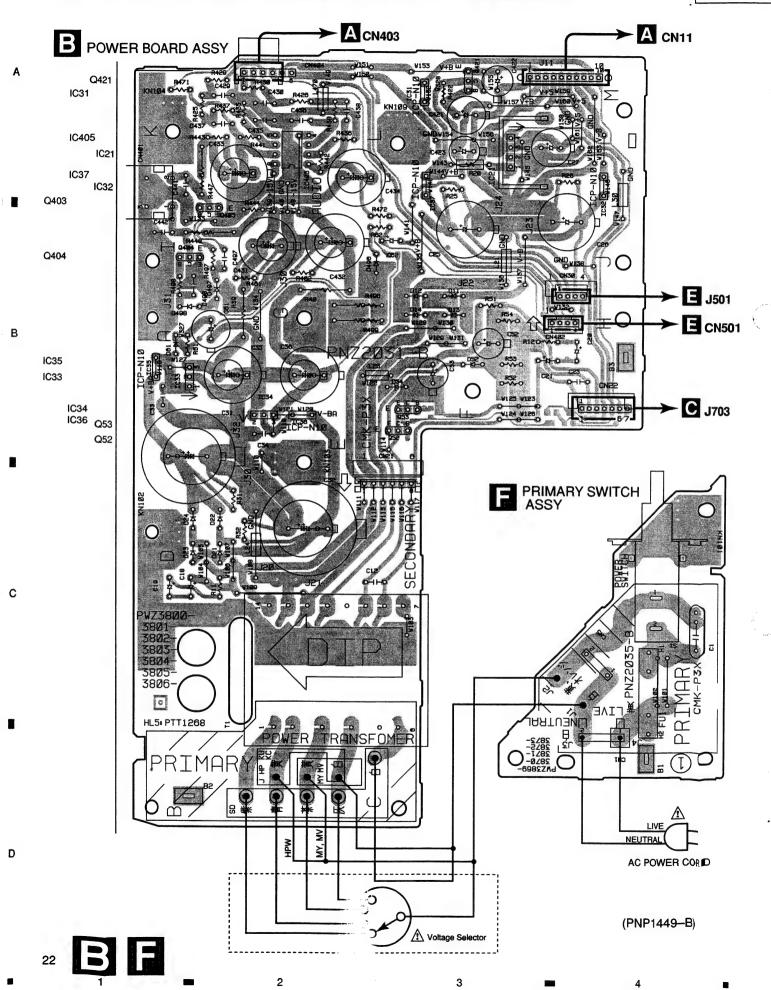
IC151

Q152



4.3 POWER BOARD and PRIMARY SWITCH ASSEMBLIES

SIDE A



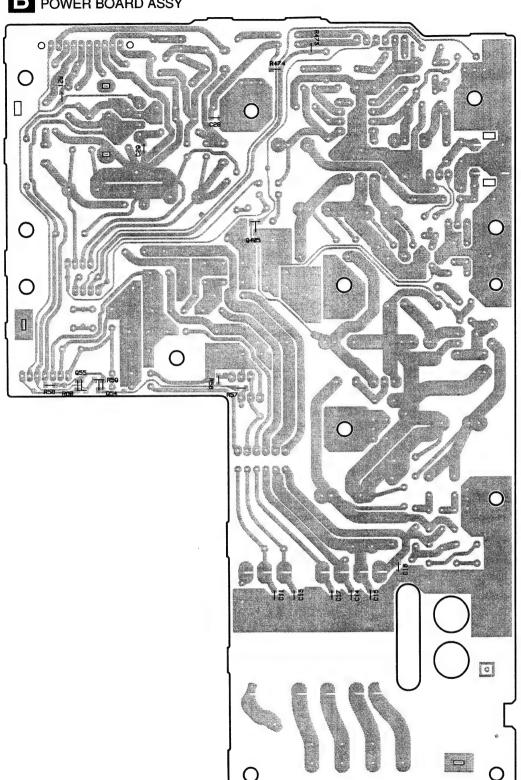
PD-S707

SIDE B

Q405

Q54 Q55

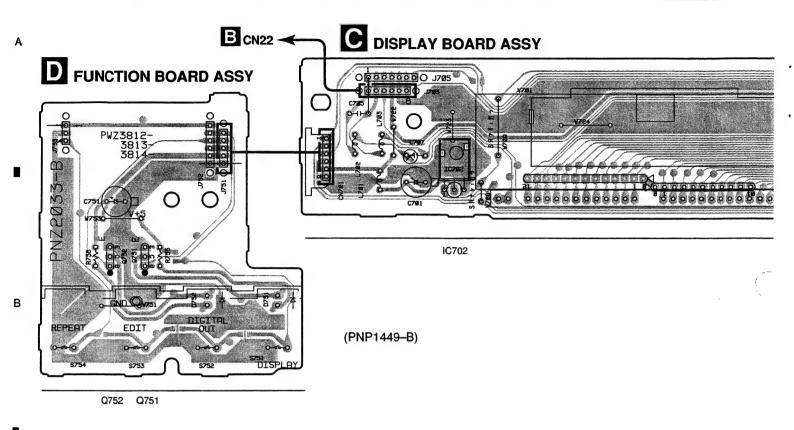
B POWER BOARD ASSY



(PNP1449-B)

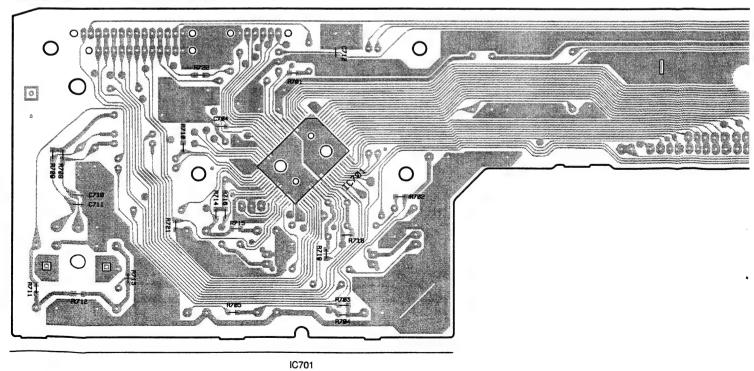
4.4 DISPLAY BOARD and FUNCTION BOARD ASSEMBLIES

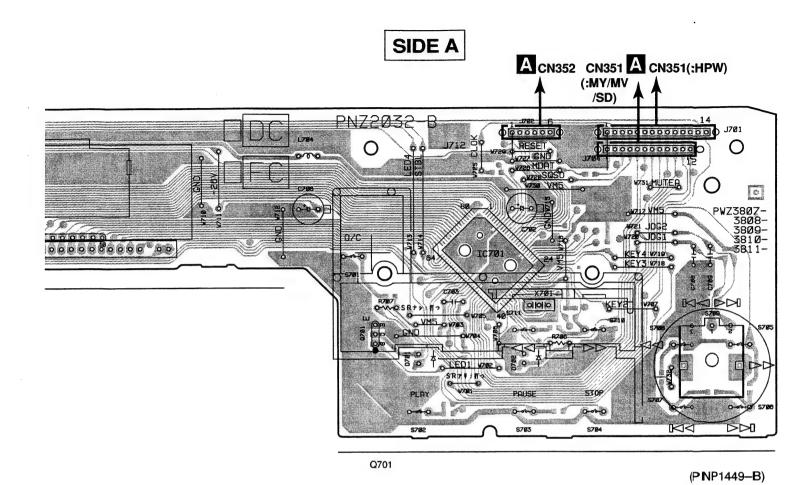
SIDE A



C DISPLAY BOARD ASSY

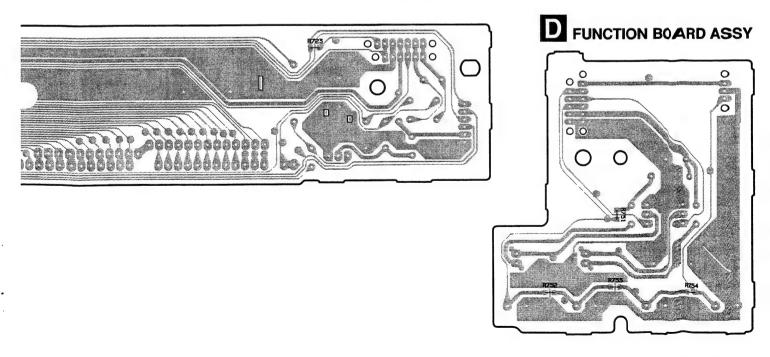
SIDE B





5

SIDE B



(P NP1449-B)



5 ■ 6 ■

5. PCB PARTS LIST

- NOTES: Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.
 - The A mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
 - When ordering resistors, first convert resistance values into code form as shown in the following examples.
 - When there are 2 effective digits (any digit apart from 0), such as 560 ohm and 47k ohm (tolerance is shown by J = 5%, and K = 10%).

 $560 \Omega \rightarrow 56 \times 10^{1} \rightarrow 561 \dots RD1/4PU 5 6 1 J$

When there are 3 effective digits (such as in high precision metal film resistors).

■ LIST OF WHOLE PCB ASSEMBLIES

Mark	Symbol and Decembring		Domonico			
IVIAIN	Symbol and Description	MY	MV	SD	HPW	Remarks
NSP	MOTHER BOARD ASSY	PWM2245	PWM2246	PWM2247	PWM2248	
	MAIN BOARD ASSY	PWZ3793	PWZ3794	PWZ3795	PWZ3796	
	POWER BOARD ASSY	PWZ3800	PWZ3801	PWZ3802	PWZ3803	* 1
	DISPLAY BOARD ASSY	PWZ3807	PWZ3807	PWZ3807	PWZ3808	
NSP	—FUNCTION BOARD ASSY	PWZ3812	PWZ3812	PWZ3812	PWZ3812	
NSP	—PHONE BOARD ASSY	PWZ3815	PWZ3815	PWZ3816	PWZ3816	* 2
NSP	PRIMARY SWITCH ASSY	PWZ3869	PWZ3869	PWZ3870	PWZ3869	
NSP	MECHANISM ASSY TT96	PXA1611	PXA1611	PXA1611	PXA1611	
NSP	SERVO MECHA BOARD ASSY T96	PXA1606	PXA1606	PXA1606	PXA1606	
	└MECHANISM BOARD ASSY	PWX1192	PWX1192	PWX1192	PWX1192	

^{* 1} Although PWZ3800 and PWZ3801 are diffirent in part number, they consisit of the same components.

CONTRAST OF PCB ASSEMBLIES **POWER BOARD Assy**

PWZ3800, PWZ3802 and PWZ3803 are constructed the same except for the following:

Mark	Symbol and Description		Domonio		
Mark	Symbol and Description	PWZ3800	PWZ3802	PWZ3803	Remarks
	C18, C19	CEGA4R7RM50	CEBA2R2M50	CEBA2R2M50	
	C421 (1000μF / 16V)	PCH1122	Not used	Not used	
	C422 (220µF / 25V)	PCH1128	Not used	Not used	
	R11	RDR1/2PM8R2J	RD1/4PU8R2J	RD1/4PU8R2J	
	J30 JUMPER	PDF1177	Not used	Not used	
NSP	J06 JUMPER	Not used	PDF1099	Not used	
NSP	J07 JUMPER	Not used	PDF1100	Not used	
NSP	J08 JUMPER	Not used	PDF1101	Not used	
NSP	J09 JUMPER	Not used	PDF1102	Not used	

DISPLAY BOARD Assy

PWZ3807and PWZ3808 are constructed the same except for the following:

		•	•	
Mark	Symbol and Description	Par	t No.	Domonico
Wark	Symbol and Description	PWZ3807	PWZ3808	Remarks
	J701 JUMPER J704 JUMPER	Not used D20PDY1225G	D20PDY1425G Not used	
NSP	Cable holder Cable holder	51048-1200 Not used	Not used 51048-1400	

^{* 2} Although PWZ3815 and PWZ3816 are diffirent in part number, they consisit of the same components.

MAIN BOARD Assy

PWZ3793, PWZ3794, PWZ3795 and PWZ3796 are constructed the same except for the following:

	Complete and Decemention		Part No.								
Mark	Symbol and Description	PWZ3793	PWZ3794	PWZ3795	PWZ3796	Remarks					
	IC331	Not used	TC74HC00AF	Not used	Not used						
	Q323	DTC124EK	Not used	DTC124EK	DTC124EK						
	D391, D394	Not used	Not used	Not used	1SS254						
	D392	Not used	Not used	Not used	DAP202K						
	L332	Not used	LFA151J	Not used	Not used						
	L334	Not used	PTL1003	Not used	Not used						
	L335	Not used	PTL1017	Not used	Not used						
	L391, L392	Not used	Not used	Not used	LAU1R0J						
	C323	CKSQYB103K50	Not used	CKSQYB103K50	CKSQYB103K50						
	C330	Not used	CKSQYB103K50	Not used	Not used						
	C331, C339	Not used	CKSQYB473K50	Not used	Not used						
	C169	CEGA4R7M50	CEGA4R7M50	PCH1127	PCH1127						
	C175, C303, C406, C413, C414	PCH1128	PCH1128	Not used	Not used						
	C301	CEGA470M25	CEGA470M25	Not used	Not used						
	C302	CFTLA394J50	CFTLA394J50	Not used	Not used						
	C332	Not used	CCSQCH101J50	Not used	Not used						
	C333	Not used	PCH1128	Not used	Not used						
	C334, C336	Not used	CKSQYB104K25	Not used	Not used						
	C335	Not used	CEAT470M50	Not used	Not used						
	C337	Not used	CCSQCH470J50	Not used	Not used						
	C341	PCH1122	PCH1122	PCH1128	PCH1128						
	C393	Not used	Not used	Not used	CCSQCH101J50						
	R320	RS1/10S0R0J	Not used	RS1/10S0R0J	RS1/10S0R0J						
	R322, R334	Not used	RS1/10S102J	Not used	Not used						
	R333	Not used	RS1/10S750J	Not used	Not used						
	R339	Not used	RS1/10S331J	Not used	Not used						
	R391	Not used	Not used	Not used	RS1/10S244J						
	R392	Not used	Not used	Not used	RS1/10S102J						
	JA331	Not used	PKB1028	Not used	Not used						
	JA391, JA392	Not used	Not used	Not used	RKN1004						
	CN351	52147-1210	52147-1210	52147-1210	52147-1410						
	KN105	Not used	Not used	Not used	VNF1084						

PRIMARY SWITCH Assy

PWZ3869 and PWZ3870 are constructed the same except for the following:

Mark	O I I I I I Description	Part	No.	Remarks
	Symbol and Description	PWZ3869	PWZ3870	nemarks
	J02	PDF1178	PDF1181	

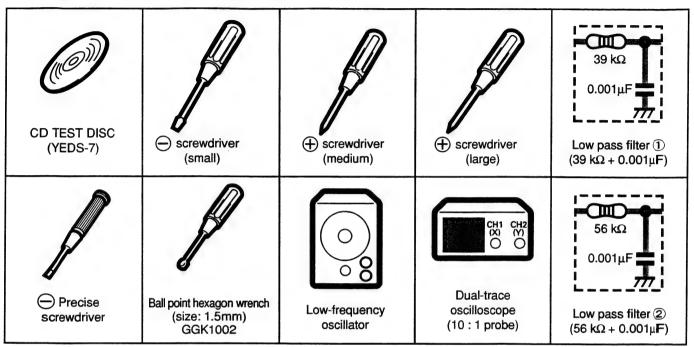
E P	ARTS LIST FOR PD-S7	707/MY				·
Mark		Parts No.	Mark	No.	Description	Parts No.
	THER BOARD ASSY			C413,	C414 (220μF/25V)	PCH1128
OTH	PC Board (MOTHER)	PNP1449	RESI	STOR	S	
	MAIN BOARD ASSY		Δ			RD1/4PU273J RD1/4PU470J RFA1/4PL8R2J VCP1156 VCP1158
OLIVI	IC151	CXA1782CQ		VD4EC	(000KO B)	VCP1164
A	IC301 IC232 IC201	CXD2507AQ ICP-N10 LA6517		Other F	(220KΩ- B) Resistors	RS1/10SDDDJ
lack	IC202	LA6520	OTHE		MT 4D CONNECTOD	170001 4
A	IC302 IC311, IC421 IC341 IC401 IC303	NJM4565M NJM7805FA PD0236AD PE8001A TC74AC00F		CN202 CN204 CN352 CN11 CN351	MT 5P CONNECTOR 6P JUMPER CONNECTOR 10PJUMPER CONNECTOR	173981-4 173981-5 52147-0610 52147-1010 52147-1210
	Q151 Q391 Q152, Q452 Q323, Q451 D397	2SA854S 2SC1740S DTA124EK DTC124EK 1SS254		JA321 CN403 JA393 X301 CN201	JACK XTAL RES (16.9344 MHz) CONNECTOR 6P	GP1F32T KM250NA4L PKN1005 PSS1008 RKP-533
	D326 D395 D218	DA204K DAP202K UDZS6.8B		CN131 KN106,	CONNECTOR PCB BINDER , KN107 EARTH METAL FITTING	SLW16S-1C7 VEF1040 G VNF1084
			B	POW	ER BOARD ASSY	
COIL	S AND FILTERS	LAUMDOL			UCTORS	
CAP	L395, L396 (AXIAL INDUCTOR) L312 (Noise filter) ACITORS	LAU1ROJ RTF1167	A A A	IC31 IC405 IC21		ICP-N10 NJM4558DX PQ05RR12
	C181 C313 C314	CCSQCH100D50 CCSQCH120J50 CCSQCH220J50		Q403, 0 Q405 D496-		2SC3068 DTC124EK 1SS254
	C405 C301, C312, C427, C428	CEGA101M50 CEGA470M25	$\stackrel{lack}{\mathbb{A}}$	D54 D11- D	014, D21- D24, D52	MTZJ18B S5688G
	C169, C415, C416 C302 C133, C309 C163, C462 C156, C159, C161, C164, C168	CEGA4R7M50 CFTLA394J50 CFTLA474J50 CKSQYB102K50 CKSQYB103K50	COIL	S AND L21, L3	FILTERS 80 (FERRITE BEADS) FERRITE BEADS)	PTH1014 PTH1016
	C191, C192, C205, C210, C215 C219, C308, C317, C323, C344 C351, C399 C153- C155, C158, C193, C304 C319, C321, C342, C408, C409	CKSQYB103K50 CKSQYB103K50 CKSQYB103K50 CKSQYB104K25 CKSQYB104K25	CAPA	CITO C62 C433, C C18, C C53 C11, C	C434	CEAT2R2M50 CEGA101M50 CEGA4R7M50 CFTLA334J50 CKSQYB103K50
	C411, C412, C461 C176, C218, C306 C221, C222 C315 C162	CKSQYB104K25 CKSQYB152K50 CKSQYB182K50 CKSQYB221K50 CKSQYB332K50		C28 C441, 0 C497, 0 C429, 0	C442	CKSQYB104K25 CQMBA102J50 CQMBA103J50 CQMBA152J50 PCH1119
	C160 C167 C152, C307 C151 C157	CKSQYB333K50 CKSQYB472K50 CKSQYB473K50 CKSQYB682K50 CKSQYB823K25		C31, C3 C52 (10	421, C431, C432 (1000 μF/16V) 32 (3300 μF/25V) 00 μF/50V) 220 μF/25V)	PCH1122 PCH1125 PCH1126 PCH1128
	C311, C341, C407, C79 (1000μF/16V) C171 (100μF/50V) C170 (4.7μF/50V) C131, C175, C211, C212 (220μF/25V) C216, C217, C303, C322, C406	PCH1122 PCH1126 PCH1127 PCH1128 PCH1128				

Mark	No.	Description	Parts No.	Mark	No.	Description	Parts No.
RES	STORS			SWIT	CHES		
	R39, R40		RDR1/2PM101J		S751-S7	54	VSG1009
	R496, R4		RDR1/2PM302J RDR1/2PM471J				
	R447, R4 R11	14 8	RDR1/2PM8R2J	RESI	STORS		
Λ	R20		RFA1/4PL8R2J		R756 R755		RD1/4PU181J RD1/4PU221J
			DO4/400400 I		Other Re	sistors	RS1/10SDDDJ
	R21 Other Re	aciatara	RS1/10S103J RD1/4PU□□□□J		0.110. 710	5,0,0,10	
	Other he	35151015	ND 1/41 GELES	OTH	ERS		
ОТН	FRS					5P CABLE HOLDER	51048-0500
•	CN30	4P JUMPER CONNECTOR	52147-0410		J751	5P JUMPER WIRE	D20PDY0510E
	CN22	6P JUMPER CONNECTOR	52147-0610				
	CN401	2P PIN JACK 4P TOP POST	AKB7032 B4B-PH-K-S	13	PHONI	E BOARD ASSY	
	CN402 J11	WIRE ASSY 10P	D20PDY1006G	SEM	ICONDU	CTORS	
	CN404	PLUG 4P	KP250NA4L		IC501		M5218P
	J30	LEAD WIRE	PDF1177 VNF1084		Q501, Q5	502	2SD2144S
	KN102	EARTH METAL FITTING 10P CABLE HOLDER	51048- 1000	00"		FU TEDO	
		TO CABLE HOLDEN	0.0.0	COIL		FILTERS	LALMEDO
	DISPI	AY BOARD ASSY			L501- L5 L504	03 (AXIAL INDUCTOR) (Noise filter)	LAU1R0J RTF1167
					2304	(140ise inter)	1111 1107
SEM		JCTORS	DD 4000 A	CAP	ACITOR	S	
	IC701		PD4999A		C515, C5		CEJA101M16
COII	CAND	FILTERS			C507, C5	508	CKSQYB103K50
COII	L702-L7		LFA1R0J		C510		CKSQYB473K50
	L1 02-L	, 04		DEC	STORS		
SWI	TCHES			nES	R511, R5	512	RD1/4PU121J
• • • • • • • • • • • • • • • • • • • •	S709		ASX7008		VR501 (2		RCV1043
	S701-S	704, S710, S711	VSG1009		Other Re	esistors	RS1/10S□□□J
CAF	ACITO	RS		ОТН	ERS		
	C701		CEAL470M16	• • • • • • • • • • • • • • • • • • • •		4P CABLE HOLDER	510-48-0400
	C702		CEAT221M16		CN501	4P TOP POST	B4B-PH-K-S
	C706 C705		CFTLA274J50 CFTLA334J50		J501 JA501	4P JUMPER WIRE JACK	02 O PDY0435G RK N 1002
	C703		CKSQYB103K25		JASOT	JAON	111002
	0710	N=4.4	CKSQYB471K50				
	C710, C C712	5/11	CKSQYB471K50 CKSQYB473K50				-014
	0/12			G	MECH	ANISM BOARD AS	SY
RES	SISTORS	6		SWI	TCHES		
	All Resi		RS1/10S□□□J		S610		DSG1016
-	IEDO			0.711			
OIF	HERS	6P CABLE HOLDER	51048-0600	OTH	ERS	AT CONNECTOR 4D	(70.070 A
		12P CABLE HOLDER	51048-1200		CN610	MT CONNECTOR 4P	173979-4
	J702	WIRE ASSY 6P	D20PDY0620B				
	J703	WIRE ASSY 6P	D20PDY0640G				
	J704	WIRE ASSY 12P	D20PDY1225G	13	PRIMA	ARY SWITCH ASSY	•
		REMOTE RECEIVER UNIT	GP1U27X	CAD	ACITOF		
	V701	FL INDICATOR TUBE	PEL1094		C1	CKA (10000pF / AC250V)	ACG7020
	X701	CERAMIC RESONA(4.19 MI	Hz) VSS1028	Λ	CI	CKA (10000pF / AC250V)	1020
	FIINC	TION BOARD ASSY	•	OTH	IERS		
					J1	LEAD WIRE	PDF1177
SEI		UCTORS	DT040450	Δ	J2	LEAD WIRE CAPACITOR COVER	PD I F1178 RE C -150
	Q751,	Q752 LED (ORANGE)	DTC124ES SLP6118C51H			TERMINAL	RKC-061
	D752 D751	LED (CHANGE)	SLP9118C51H	$\overline{\mathbb{A}}$	S1	PRIMARY SWITCH	RS.▲1001
		/					

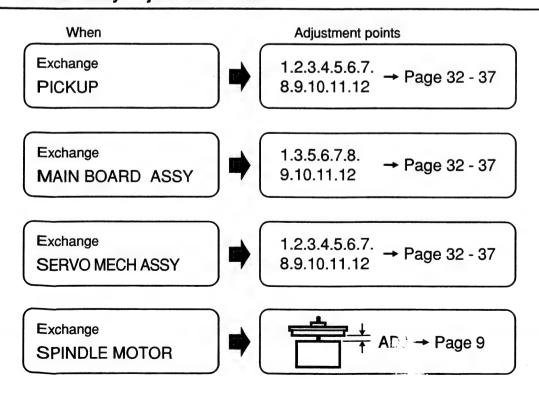
6. ADJUSTMENT

6.1 PREPARATIONS

6.1.1 Jigs and Measuring Instruments



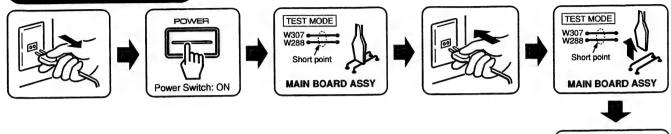
6.1.2 Necessary Adjustment Points



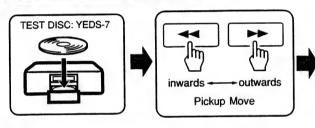
6.2 ADJUSTMENT

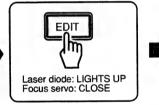
6.2.1 How to Start/Cancel Test Mode





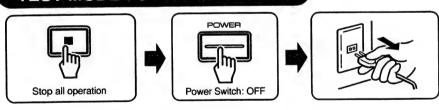
TEST MODE : PLAY

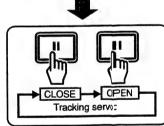




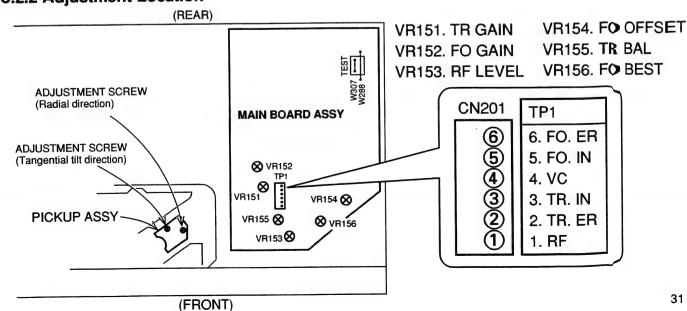


TEST MODE : STOP → CANCEL

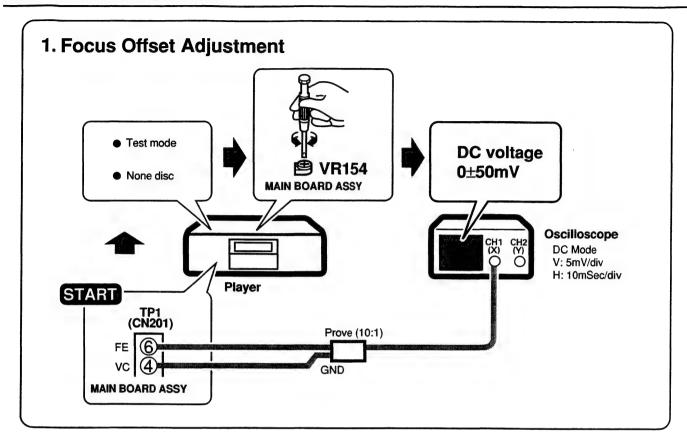


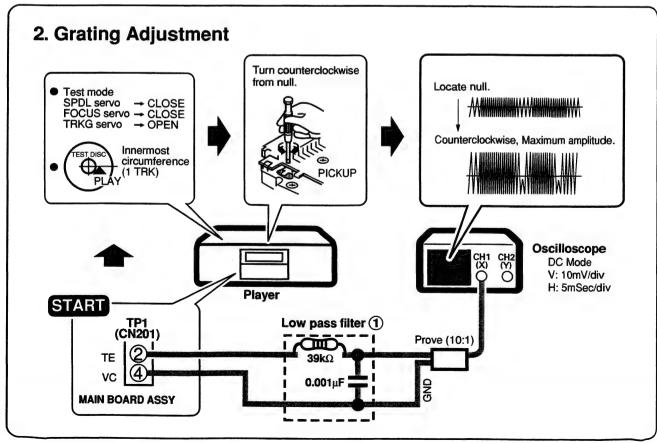


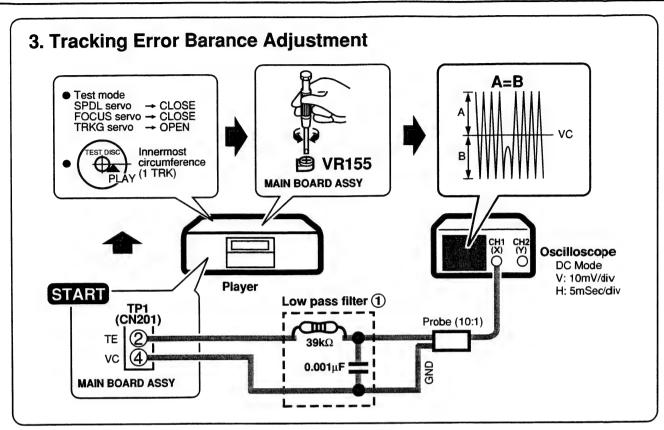
6.2.2 Adjustment Location

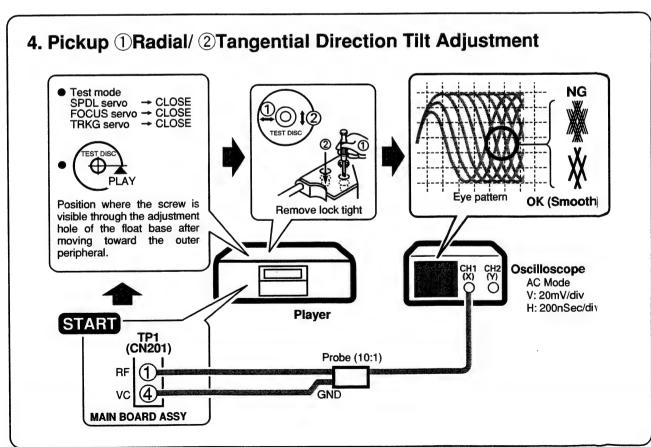


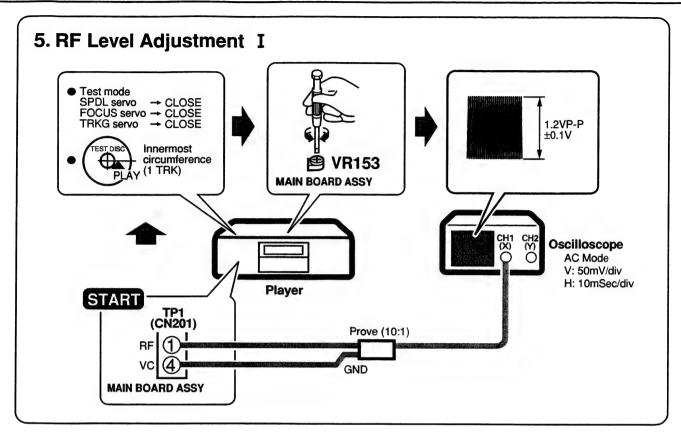
6.2.3 Check and Adjustment

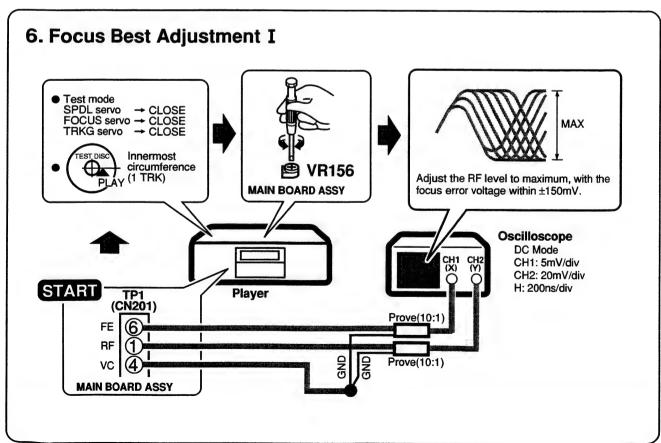


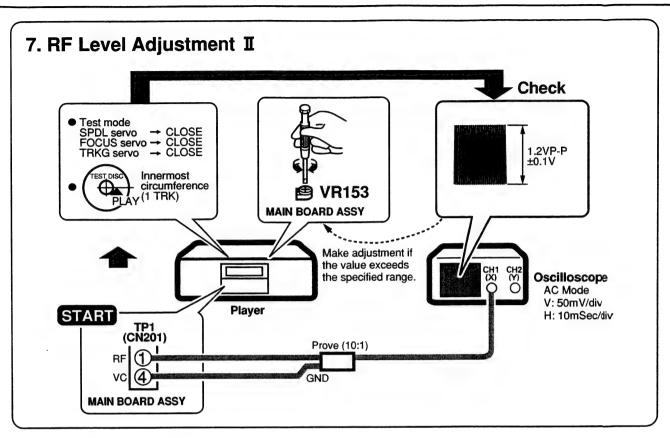


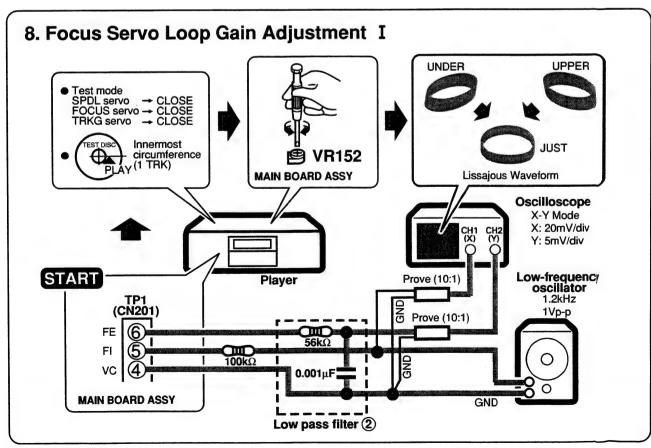


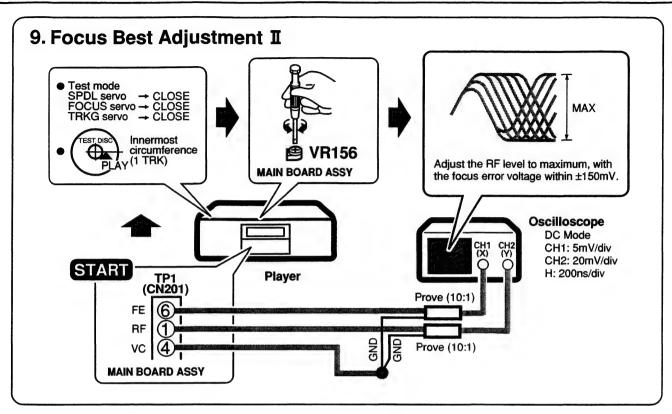


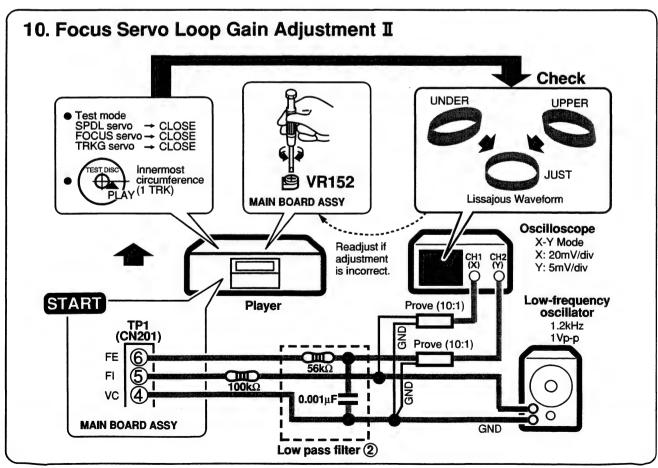


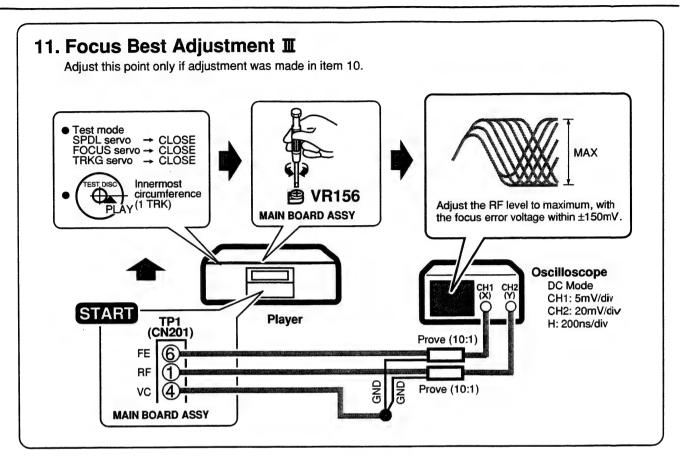


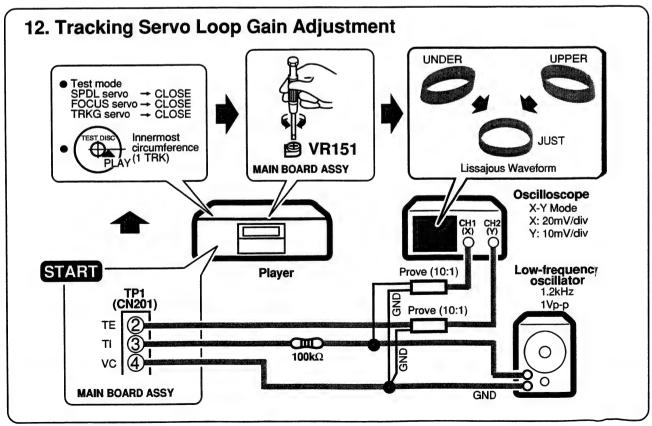










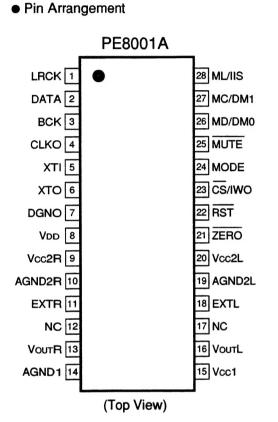


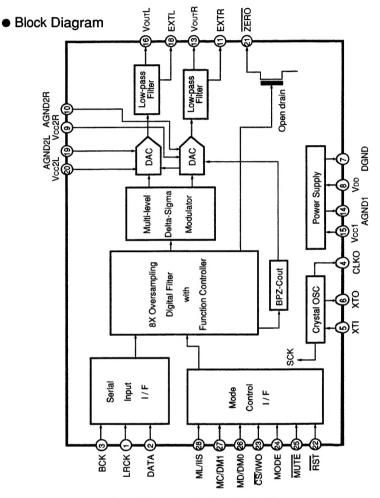
7. GENERAL INFORMATION

7.1 IC

- PE8001A (IC401: MAIN BOARD ASSY)
- D/A CONVERTER IC

• The information shown in the list is basic information and may not correspond exactly to that shown in the schematic diagrams.





Pin Function

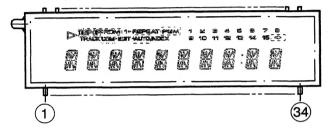
No.	Name	I/O	Description
1	LRCK	1	LRCK Clock Input (fs)
2	DATA	١	Serial Audio Data Input
3	BCK	_	Data bit clock Input
4	CLKO	0	Buffer output of System clock.
5	XTI	١	Oscillator Input / External clock Input
6	XT0	0	Oscillator Output
7	DGND	-	Digital GND
8	VDD	-	+5V Digital Power Supply
9	Vcc2R	-	+5V Analog Power Supply
10	AGND2R	-	Analog GND
11	EXTR	0	Rch, Common Pin of Analog output Amp.
12	NC	-	Not connect
13	VourR	0	Rch, Analog Voltage output of Audio signal
14	AGND1	-	Analog GND

No.	Name	1/0	Description
15	Vcc1	-	+5V Analog Power Supply
16	VouTL	0	Lch, Common Pin of Analog output Amp.
17	NC	_	Not connect
18	EXTL	0	Lch, Analog Voltage output of Audio signal
19	AGND2L	_	Analog GND
20	Vcc2L	-	+5V Analog Power Supply
21	ZERO	0	Zerodata. flag
22	RST	1	Reset. "L"at reset DF and modulator
23	CS/IWO	1	Chip select / Input format. select
24	MODE	ı	Mode control select (H: Software, L: Hadware)
25	MUTE	ı	Mute control
26	MD/DM0	ı	Mode control data / De-emphasis selection
27	MC/DM1	ı	Mode control BCK / De-emphasis selection
28	ML/IIS	ı	Mode control WDEK / Input format selection

7.2 DISPLAY

- PEL1094 (V701: DISPLAY BOARD ASSY)
- FL INDICATOR TUBE

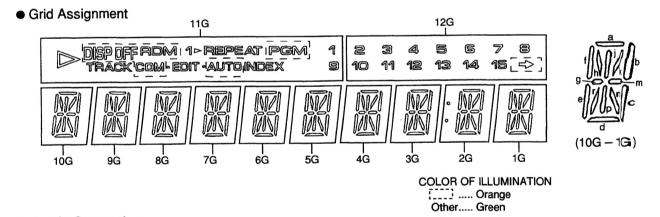
Pin Assignment



NOTE 1) F1,F2--Filament
2) NP----No pin
3) NX----No extend pin
4) DL----Datum Line
5) 1G~12G--Grid

Pin Connection

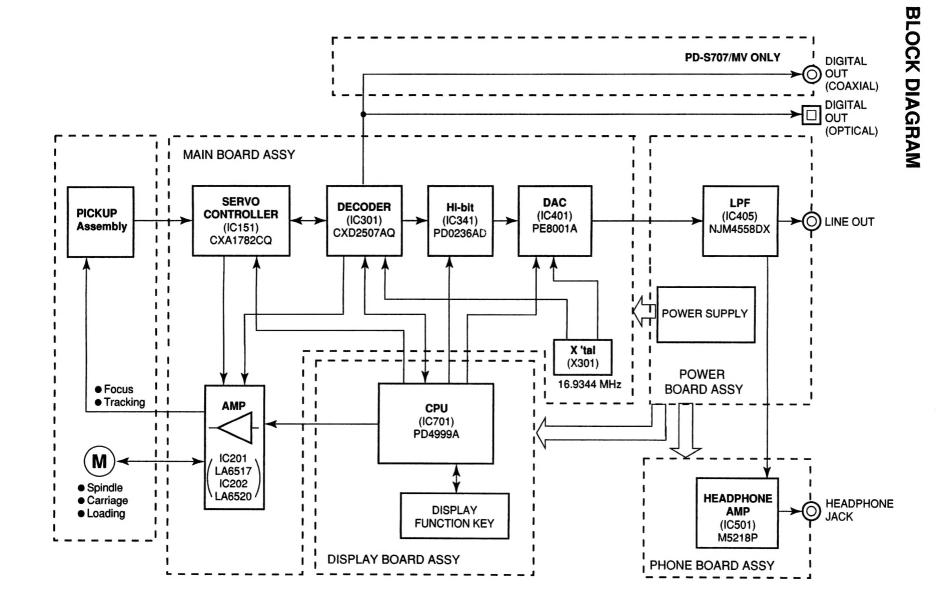
														_					_		_		_	_		_	-	_		_		_	-	-
D.141 AIG	T	T		T						1	1	1	1	1	1	1	1	1	11	2	2	2	2	21	21	2	2	2	2	3	3	3	3	3
PIN NO.	1	12	2/3	31	4	518	3/3	2/8	19	Ø	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4
	17	10	= 1	1	1	1 .		_	1							N	M		0					Ы	D	0	D	σ	Ω	D	Ω	NI	П	П
	1	۱۲	-	V	1	1	Η.		1			l	_	_		IN	IA	Г	Г	П	Γ		1			1	١.	1		'.	ا ۱	14	,	ľ l
CONNECTION		1	-	- 14	21	1 10	۱ (117	16	15	14	13	2	1									- 1	- 1		11	1		11]	ı		1 1
CONVICTION	١.	١,	، ار	sl	51	خاخ	<12	≺ા⊱	ان	12	۱۲	احا	≍ا	$\overline{}$	Ċ	V	\mathbf{v}	1		2	1		6	\neg	ol		a	1	Ó	2	1		\circ	0
1				7	וט	<u> </u>	<u>ગ</u> ા	<u>ગ</u> ા	טוי	U	U	U	U	U	ט	Δ	Δ		4	2	4	\supset	О	_	0	J	U	1	4	2	4		4	۷.



Anode Connection

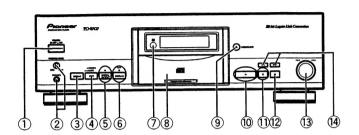
	12G	11G	10G-3G	2G	1G
P1	2	1	r	r	r
P2	8	9	h	h	h
РЗ	4		а	а	а
P4	5	DISP OFF	b	b	b
P5	6	RCIM	С	С	С
P6	7	REPEAT	d	d	d
P7	8	1⊳	е	е	е

	12G	11G	10G-3G	2G	1 G
P8	10	_	f	f	f
P9	11	PGM	g	g	g
P10	12	TRACK	m	m	m
P11	13	COIM	j, p	j, p	j, p
P12	14	· EDIT ·	_	col	_
P13	15	AUTO	k	k	k
P14	↔		n	n	n



8. PANEL FACILITIES AND SPECIFICATIONS

PANEL FACILITIES



FRONT PANEL

- 1 POWER switch
- (2) PHONES jack and PHONES LEVEL knob
- (3) REPEAT button
- (4) COMPU/AUTO EDIT button (6) COMPU / 60 AUTO)
- (5) DIGITAL OUTPUT button and indicator
- (6) DISPLAY button and OFF indicator
- Remote sensor Receives the signal from the remote control unit.
- (8) Disc tray
- OPEN/CLOSE button (♠)
- ① Play button (►)
- (1) Pause button (II)
- (12) Stop button (■)
- (13) Track search knob (I◄◄/►►I)
- (14) Manual search buttons (◄◄/▶►)

REMOTE CONTROL UNIT Remote control buttons with the

(1)

Remote control buttons with the same names or marks as buttons on the front panel of the player control the same operations as the corresponding front panel buttons.

- 1 Track number/Digit buttons (1-20, >20)
- 2 PROGRAM button
- **3** HI-LITE button
- **4** RANDOM button
- **(5)** Stop button (■)
- 6 Manual search buttons (◄◄/►►)
- 7 OUTPUT LEVEL buttons (-/+)
- 9 Pause button (II)
- 10 Track search buttons (► ► ►)

■ SPECIFICATIONS

2. Audio section Frequency response 4 Hz - 20 kHz S/N ratio 110 dB or more (EIAJ) Dynamic range 96 dB or more (EIAJ) Harmonic distortion 0.004% or less (EIAJ) Output voltage 2.1 V Wow and flutter Limit of measurement (±0.001% W.PEAK) or less (EIAJ)

3. Output/Input terminals

Audio line output jacks
Optical digital output jack
Coaxial digital output jack (U.K. model only)
Phones output jack
CD • DECK SYNCHRO jack
CONTROL IN/OUT jacks (Australian model only)

4. Accessories

	710000001100	
•	Remote control unit	1
•	AAA/R03 dry cell batteries	2
•	Output cable	1
•	Operating instructions	1
	Control cable (Australian model only)	

NOTE:

Specifications and design subject to possible modification without notice, due to improvements.